AUTODOC CLUB

# How to change front brake pads on **VW Passat B8 Variant (3G5, CB5)** – replacement guide

## SIMILAR VIDEO TUTORIAL




This video shows the replacement procedure of a similar car part on another vehicle

### Important!

This replacement procedure can be used for:
VW Passat B8 Variant (3G5, CB5) 1.4 TSI, VW Passat B8 Variant (3G5, CB5) 2.0 TDI, VW Passat B8 Variant (3G5, CB5) 2.0 TDI 4motion, VW Passat B8 Variant (3G5, CB5) 1.6 TDI, VW Passat B8 Variant (3G5, CB5) 1.4 TSI 4motion, VW Passat B8 Variant (3G5, CB5) 1.8 TSI, VW Passat B8 Variant (3G5, CB5) 2.0 TSI, VW Passat B8 Variant (3G5, CB5) 2.0 TSI 4motion

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Touran I (1T3) 1.6 TDI

## REPLACEMENT: BRAKE PADS – VW PASSAT B8 VARIANT (3G5, CB5). TOOLS YOU MIGHT NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Anti-squeal paste
- HEX bit No.H7.
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Flat screwdriver
- Crow bar
- Wheel chock

Buy tools

Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). Professionals recommend:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- All work should be done with the engine stopped.

## REPLACEMENT: BRAKE PADS – VW PASSAT B8 VARIANT (3G5, CB5). USE THE FOLLOWING PROCEDURE:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.



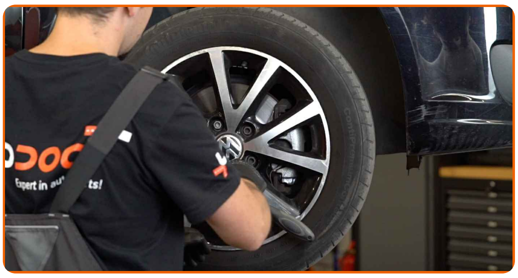
3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



**4** Raise the front of the car and secure on supports.



**5** Unscrew the wheel bolts.



## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when unscrewing the bolts.

**6** Remove the wheel.



**7** Detach the brake caliper retaining spring.



**8** Disconnect the brake pad wear sensor plug. Remove the connector of the brake pad wear sensor.

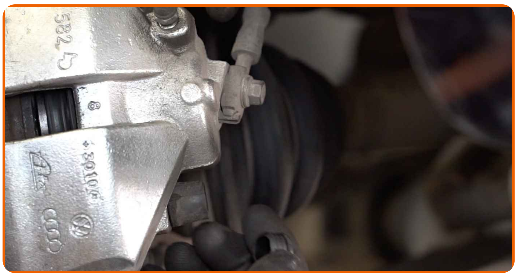
**Please note!**

- Some cars are not equipped with the brake pad wear sensor.

**9** Spread the brake pads. Use a crowbar.



**10** Remove the dust boot caps of the brake caliper guide pins.



**11** Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



**12** Remove the brake caliper.



## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). Tip from AUTODOC:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

**13** Remove the brake pads.



## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). AUTODOC recommends:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

**14** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



## AUTODOC recommends:

- Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). After applying the spray, wait a few minutes.

**15** Press in the brake caliper piston. Use brake caliper wind back tool.



**16** Treat the back side of the new brake pads. Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). AUTODOC experts recommend:

- Make sure the disc surface is clean before installing the pads.

**17** Install new brake pads.



## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). Tip:

- Make sure the pads are installed with linings facing the disc.

**18.1** Install the brake caliper and fix it.



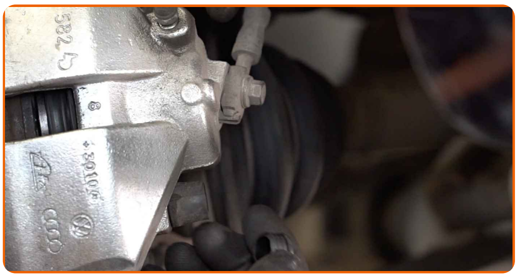
**18.2** Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



## AUTODOC recommends:

- VW Passat B8 Variant (3G5, CB5) – Without starting the engine, press the brake pedal several times until it feels firm.

**19** Install the dust boot caps of the brake caliper guide pins.



**20** Install the brake caliper retaining spring.



**21** Connect the brake pad wear sensor plug.

**22** Clean the brake disk surface. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

**23** Install the wheel.



## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). Professionals recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**24** Screw in the wheel bolts. Use wheel impact socket #17.



**25** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



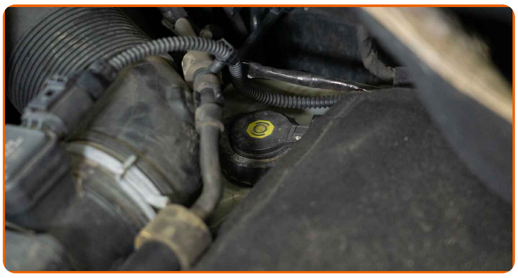
**26** Remove the jacks and chocks.

## Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

27

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake pads – VW Passat B8 Variant (3G5, CB5). Tip from AUTODOC experts:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

## WELL DONE!

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